# WEST

Generate Collection | Print

**Search Results** - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: JP 06329888 A

L4: Entry 1 of 2 File: JPAB Nov 29, 1994

PUB-NO: JP406329888A
DOCUMENT-IDENTIFIER: JP 06329888 A
TITLE: POLYESTER ELASTOMER COMPOSITION

PUBN-DATE: November 29, 1994

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|---|---|
| TANAKA, TOSHIHIRO | |
| MIYAKE, TAKESHI | |
| MIYAUCHI, MICHIJI | |

ASSIGNEE-INFORMATION:

| NAME | COUNTRY |
|---|---|
| DU PONT TORAY CO LTD | |

APPL-NO: JP05118542
APPL-DATE: May 20, 1993

INT-CL (IPC): C08L 67/02; C08L 67/02; C08K 5/06; C08K 5/10

ABSTRACT:

PURPOSE: To obtain the subject composition having small change in coefficient of friction, capable of retaining sliding property for a long time, excellent in surface appearance and mechanical physical properties and useful for moldings, etc., by melting and mixing a specific polyester block copolymer with a compound such as unmodified polyolefin at a specific ratio.

CONSTITUTION: The objective composition is obtained by melting and mixing (A) 100 pts.wt. of a polyester block copolymer composed mainly of (i) a high- melting crystalline polymer segment consisting essentially of crystalline aromatic polyester unit and (ii) a low-melting polymer segment consisting essentially of an aliphatic polyether unit or an aliphatic polyester unit with (B) 0.01-20 pts.wt. of one or more compounds selected from four compound groups consisting of compounds expressed by formula I, formula II and formula III [R1, R3, R6 and R7 are 1-6C alkylene; R2 and R4 are alkyl; R5 is H, alkyl or HO-R7; R8 is H, alkyl or R6-COOH; (x), (y) and (z) are 1-1000] and an unmodified polyolefin such as PE having 10000-500000 number-average molecular weight.

☐ 2. Document ID: JP 3229433 B2, JP 06329888 A

L4: Entry 2 of 2 File: DWPI Nov 19, 2001

DERWENT-ACC-NO: 1995-048997
DERWENT-WEEK: 200176


TITLE: Polyester elastomer compsn. with decreased change in friction coefft. with time - is mixt of ester! block copolymer contg. high m.pt. crystalline polymer segment

PATENT-ASSIGNEE:

| ASSIGNEE | CODE |
|---|---|
| DU PONT TORAY CO LTD | DUPO |

PRIORITY-DATA: 1993JP-0118542 (May 20, 1993)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| JP 3229433 B2 | November 19, 2001 | | 007 | C08L067/02 |
| JP 06329888 A | November 29, 1994 | | 008 | C08L067/02 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|---|---|---|---|
| JP 3229433B2 | May 20, 1993 | 1993JP-0118542 | |
| JP 3229433B2 | | JP 6329888 | Previous Publ. |
| JP 06329888A | May 20, 1993 | 1993JP-0118542 | |

INT-CL (IPC): C08K 5/06; C08K 5/10; C08L 67/02; C08L 23/02; C08L 67/02; C08L 67/04; C08L 71/02

ABSTRACTED-PUB-NO: JP 06329888A
BASIC-ABSTRACT:

Polyester elastomer compsn. is obtd. by melting 100 pts.wt. of (A) polyester block copolymer and 0.01 to 20 pts.wt. of (B) at least one specified cpd. and mixing. (A) contains (a) high m.pt. crystalline polymer segment consisting mainly of crystalline aromatic polyester units and (b) low m.pt. polymer segment consisting mainly of aliphatic polyether units or aliphatic polyester units as major ingredients.

(B) is selected from cpds. of formulae HO(R1O)xH (I), R2O(C(O)R3O)yR4 (II) and R5O(C(O)R6C(O)OR7O)zR8 (III) and unmodified polyethylene having Mn of 10,000 to 500,000.

In the formulae R1, R3, R6 and R7 = 1-6C alkylene; R2 and R4 = H or alkyl; R5 = H, alkyl or HO-R7; R8 = H, alkyl or R6-COOH; x,y and z = integer 1-1,000.

Pref. (B) is poly(tetramethylene oxide) glycol of formula (I), polycaprolactone of formula (II), polyethylene adipate of formula (III) or polyethylene of Mn 10,000 to 500,000.

ADVANTAGE - The elastomer compsn. has decreased change in frictional coefft. with time and provides mouldings having good appearance and mechanical properties.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: POLYESTER ELASTOMER COMPOSITION DECREASE CHANGE FRICTION COEFFICIENT TIME MIXTURE POLYESTER BLOCK COPOLYMER CONTAIN HIGH CRYSTAL POLYMER SEGMENT

DERWENT-CLASS: A23

CPI-CODES: A04-G02B; A05-E01A2; A05-E09; A07-A03A; A07-A03C; A07-A04D; A07-A04E;

A08-M;

ENHANCED-POLYMER-INDEXING:
Polymer Index [1.1] 017 ; D10*R D18*R ; P0953 P0839 P0964 H0260 F34 F41 D01 D63 ; H0044*R H0011 ; P0839*R F41 D01 D63 ; S9999 S1387 ; S9999 S1434 ; H0124*R Polymer Index [1.2] 017 ; ND04 ; B9999 B5367 B5276 ; B9999 B3189 ; B9999 B5607 B5572 ; B9999 B4773*R B4740 ; N9999 N6439 ; N9999 N6202 N6177 ; B9999 B3747*R Polymer Index [1.3] 017 ; A999 A748 Polymer Index [2.1] 017 ; D01 D11 D10 D50 D81 D82 D83 D84 D85 D86 ; A999 A782 ; A999 A748 ; P0975 P0964 F34 D01 D10 ; A999 A771 Polymer Index [2.2] 017 ; D01 D11 D10 D50 D82 D83 D84 D85 D86 D87 ; A999 A782 ; A999 A748 ; P0839*R F41 D01 D63 ; M9999 M2153*R ; M9999 M2186 ; A999 A771 Polymer Index [2.3] 017 ; D01 D11 D10 D50 D63 D84 D85 D86 D87 D88 D89 D90 D91 D92 D93 ; A999 A782 ; A999 A748 ; M9999 M2153*R ; M9999 M2186 ; A999 A771 Polymer Index [2.4] 017 ; R01295 G2131 D01 D23 D22 D31 D42 D50 D86 F43 ; A999 A782 ; A999 A748 ; H0000 ; P0055 ; P0839*R F41 D01 D63 ; A999 A771 Polymer Index [2.5] 017 ; E13 E00 D01 D11 D10 D50 D88 ; A999 A782 ; A999 A748 ; H0011*R ; P0839*R F41 D01 D63 ; A999 A771 Polymer Index [2.6] 017 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ; A999 A782 ; A999 A748 ; H0000 ; A999 A771 ; P1150 ; P1161 Polymer Index [2.7] 017 ; B9999 B5094 B4977 B4740

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1995-022289



| Terms | Documents |
|---|---|
| jp-06329888-$.did. | 2 |

1/34/17 (Item 3 from file: 347)
04657988 **Image available**

# POLYESTER ELASTOMER COMPOSITION

**Pub. No.:** 06-329888 [JP 6329888 A ]
**Published:** November 29, 1994 (19941129)
**Inventor:** TANAKA TOSHIHIRO
MIYAKE TAKESHI
MIYAUCHI MICHIJI
**Applicant:** DU PONT TORAY CO LTD [489279] (A Japanese Company or Corporation), JP (Japan)
**Application No.:** 05-118542 [JP 93118542]
**Filed:** May 20, 1993 (19930520)
**International Class:** [ 5 ] C08L-067/02; C08L-067/02; C08K-005/06; C08K-005/10; C08L-067/02; C08L-071/02; C08L-067/04; C08L-023/02
**JAPIO Class:** 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds)
**JAPIO Keyword:** R052 (FIBERS -- Carbon Fibers)

## ABSTRACT

PURPOSE: To obtain the subject composition having small change in coefficient of friction, capable of retaining sliding property for a long time, excellent in surface appearance and mechanical physical properties and useful for moldings, etc., by melting and mixing a specific polyester block copolymer with a compound such as unmodified polyolefin at a specific ratio.

CONSTITUTION: The objective composition is obtained by melting and mixing (A) 100 pts.wt. of a polyester block copolymer composed mainly of (i) a high- melting crystalline polymer segment consisting essentially of crystalline aromatic polyester unit and (ii) a low-melting polymer segment consisting essentially of an aliphatic polyether unit or an aliphatic polyester unit with (B) 0.01-20 pts.wt. of one or more compounds selected from four compound groups consisting of compounds expressed by formula I, formula II and formula III (R(sub 1), R(sub 3), R(sub 6) and R(sub 7) are 1-6C alkylene; R(sub 2) and R(sub 4) are alkyl; R(sub 5) is H, alkyl or HO-R(sub 7); R(sub 8) is H, alkyl or R(sub 6)-COOH; (x), (y) and (z) are 1-1000) and an unmodified polyolefin such as PE having 10000-500000 number-average molecular weight.